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(71) Applicants (for all designated States except US): **UNI-
VERSITÄT ZÜRICH [CH/CH];** Prorektorat Forschung,
Rämistrasse 71, CH-8006 Zürich (CH). **ETH ZÜRICH**
[CH/CH]; ETH Transfer, Rämistrasse 101, CH-8092
Zürich (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KOZERKE, Se-
bastian [DE/CH];** Alte Affolternstrasse 18, CH-8908

Hedingen (CH). **TSAO, Jeffrey [CA/CH];** Gempenstrasse
46, CH-4053 Basel (CH). **BOESIGER, Peter [CH/CH];**
Rebbergstrasse 73, CH-5408 Ennetbaden (CH). **PRUESS-
MANN, Klaus [DE/CH];** Hopfenstrasse 15, CH-8045
Zürich (CH).

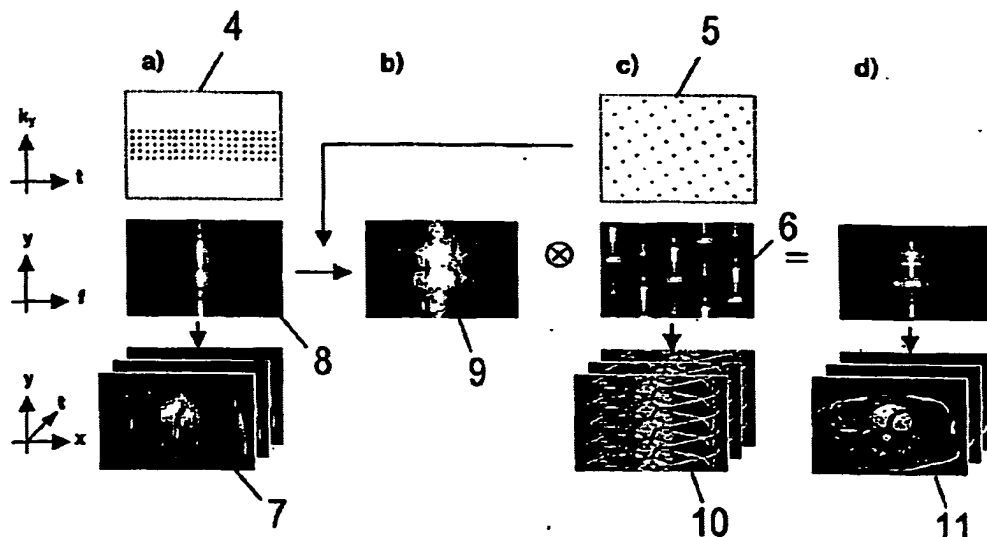
(74) Agent: **SPIERENBURG & PARTNER AG;** Mellinger-
strasse 12, CH-5443 Niederrohrdorf (CH).

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(54) Title: **K-T BLAST AND K-T SENSE MAGNETIC RESONANCE IMAGING**



(57) Abstract: This invention describes the combination of SSFP, a method for accelerating data acquisition, and an eddy current compensation method. This synergistic combination allows acquisition of images with high signal-to-noise ratio, high image contrast, high spatial and temporal resolutions, and good immunity against system instabilities. k-t BLAST and k-t SENSE are the preferred method for accelerating data acquisition, since they allow high acceleration factors, but other methods such as parallel imaging and reduced field-of-view imaging are also applicable. Typical applications of this invention include cine 3D cardiac imaging, and 2D real-time cardiac imaging.

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